MAN EFFICIENCY BY EDUCATION



Herbert Kaufman says: Send Willie back to school!

He must meet a different competition than you faced.

We're traveling at a faster gait, and the ticket that admitted you to opportunity won't pass him through the same gate.

We're raising our standard every year, because education is raising a better standard of men for us.

(Copyrighted, 1910, by Herbert Kaufman.)

I AUFMAN is right. Untrained and inadequately schooled boys and men are finding it more and more difficult with present competition to secure paying

Naturally they are seeking a second chance educationally in such practical training schools as the Young Men's Christian Association of Washing-

Last season six hundred Men and Boys attended the evening classes of Association Institute. Here they found proper facilities for mind training, supplementing that of the public schools, and helped to fit themselves for the larger demands of modern business, industrial and professional life.

These students say that Association Institute and the Young Men's Christian Association make good!

Some reasons why the Y. M. C. A. succeeds in Education

Here are some things that enable Association Institute to meet the New Demand for general and voca-tional training leading to practical

The motive back of its educational program is Serving Needs, not Supplying Demands. It's co-operative,

mutual, created by members of a great organization The staff of thirty teachers is made up of men of ripe experience in edu-

cational practice-plus this motive of The method of instruction is essen-

individual, with properly The conditions for study and recitation are as perfect as modern

building construction affords-light, air and that comfortable club feel-The courses of study are especially

suited to the vocational needs of employed men and youths.

The students are ambitious boys The general atmosphere is that of the Y. M. C. A .- an attractive, workable combination of club facilities, education, athletics and religion.

Thirty-third Year Opens September 23.

The Washington Y. M. C. A. began formal class work in college preparatory and commercial subjects in 1878. The season 1910-11 is therefore its thirty-third. Nearly ten thousand men and boys have been enrolled during

Friday, September 23, at 7:30 p.m., the Institute Class schedule will be formally opened. The School of Shorthand resumes Wednesday, Sepember 7. The School of Accoun tancy resumes class sessions Tuesday, October 4.

Personal interviews with prospective students are solicited. Conference on any of the thirty or more courses of study may be had any week day or evening in the Institute Director's office, Central Y. M. C. A. Building, 1736 G street. Telephone and mail inquiries given prompt at-

Bulletin of Information on request

Myron Jermain Jones, M.A., Director. 1736 G Street. Washington D.C.

School of Shorthand, Typewriting and Office Practice.

We have been teaching Benn Pitman sound writing for twenty-five years. We have trained hundreds of first-rate shorthand writers. The individual instruction method insures of the student. From careful, fundamental work with beginners through progressive discipline in dictation, slow, moderate and rapid, we are prepared to give as thorough course as Washington affords.

If you are contemplating work in this subject, beginning, advanced or reporting, see us. Send for our pamphlet "Mastering Shorthand, the Art of Sound Writing." Free for the

Association Institute Teaches

These Subjects:

COMMERCIAL AND BUSINESS. Commercial Arithmetic. Penmanship. Business Letter-writing. Bookkeeping (single and double Commercial Law.

Commercial Geography. Typewriting. Office methods and Record-keeping TECHNICAL AND INDUSTRIAL Freehand Drawing. Architectural Drafting. Mechanical Drafting.

Structural Drafting (in steel). Blue Print Reading. Machine design. Applied Mathematics (mechanics) Elementary Electricity. Applied Electricity. Elementary Chemistry.

Applied Chemistry. Stationary Steam Engineering. LANGUAGE, ACADEMIC AND GENERAL PREPARATORY. English for Non-English Speaking

English Grammar. English Rhetoric. English Composition. English Literature. Public Speaking. Debate and Argumentation. Directed Reading of Books. Music, Elements of. German (two years). French. Latin. Spanish. Arithmetic. Algebra. Plane Geometry. Solid Geometry. Trigonometry. Analytical Geometry.

OCATIONAL AND EDUCATION-AL CLUBS. Choosing a Vocation. Photography (Camera Club). Moot Court (Law Club). Social Science (International Club) Argumentation (Debating Club). Hygiene (First Aid Club) Orchestra Practice (forty pieces). Mandolin and Guitar (club). Singing in Chorus (Glee Club).

English Bible (Round Table Club). PROFESSIONAL. Accountancy, covering Theory of Accounts. Practical Accounting. Auditing.

Law (except procedure and crim Prepares for C. P. A. Examination (Certified Public Accountant.)

A high-grade course, conducted by the Washington School of Accountancy, under the auspices of the Y. M. C. A., and in affiliation with similar Institutes of Accountancy in Baltimore, New York, Brooklyn, Buffalo, Cleveland, Detroit and Los Angeles.

Cut this Coupon out of The Star and mail to the DIRECTOR OF EDUCATION, Y. M. C. A., 1736 @ Street Northwest.

1. I am interested in your Institute Courses, which prepare for

2. I desire counsel in planning my life work or changing my occupation. 3. Tell me all about the Y. M. C. A. of Washington and what it does for

Business or Occupation.....

Y. M. C. A. IS EVOLVING sibly in work for which they are not really fitted or disposed. The rapidity with which the various lines of industrial training have been developed by the Y. M. C. A., shows in one way the day's needs and demands in commerce, trade and industry.

Employers and Workers All Over the Country in Accord With New Educational System.

Man - COMPANIES PAY FOR EMPLOYES' TRAINING

Return Secured in Increased Efficiency of the Men-Accountancy Course Feature in Washington.

With an increasing number of co-operaive arrangements between railroads, large manufacturing concerns and repreproblems connected with industrial and by his high school diploma. apprenticeship training. Ever since it In filling this necessary link in educafully take its place, the Y. M. C. A.'s than the Catholic high schools connect throughout the country have been try- ed with St. Patrick's parish. ing to fill the gap between what the public schools offer and the shops demand. These efforts have everywhere had the

the place of actual practice. M. C. A.'s along the line, under their expert supervision. The apprentices will be required to attend regular classes and otherwise to comply with the general educational demands of the company, approved in turn by the Y. M. C. A.'s. At South Bend, Ind., various companies pay for all tuition and supplies for their apprentices for three years, adding a sub-stantial bonus at the end; at Philadelphia the apprentices of the largest sheet Their advance in one year was said to be remarkable. The company has found an improvement in both quality and quantity of output, and the men, as skilled workers, are getting higher wages and

are happier in their work. Study on Company Time.

at Wilmerding, Pa., spend three mornings St. Patrick's High School. a week in class at the Y. M. C. A. build- Courses in the seventh and eighth upon his retirement he was succeeded by a week in class at the Y. M. C. A. building on company time; at Bridgeport, Conn., fifteen or more machine trades studies. Rev. Tho as E. McGuigan is at that time professor of constitutional companies likewise have been sending director of schools, and a daily visitor law in the law school their apprentices to the Y. M. C. A. three in the classrooms. In speaking recent- Among the distinguished jurists who results are easily evident.

group. At Chicago building trades apprentices have had special classes. The being received. shop the next, alternating with another prentices have had special classes. The Cotton Belt road of the southwest like Cotton Belt road of the southwest like-wise has its apprentices in training at the Y. M. C. A. at Pine Bluff, Ark. Typo-graphical apprentices at Houston, Tex., are specially trained at the Y. M. C. A. with the hearty approval and support of the union. At Evansville, Ill., the build-ing trades unions have heartly indersed the classes for apprentices. Similar schools for apprentices and men in the industries in the northwest Pacific states are popular and successful, and

states are popular and successful, and are indorsed by both unions and employers. At many other points the Y. M. C. big gaps between their school and shop experience. About half of the 50,000 students enrolled by the Y. M. C. A.'s in their various day and night schools about the country are industrial and technical

Training Professional Accountants. In Washington there is not the same the Y. M. C. A. in establishing a fullto provide funds for the endowment of women for civil service examinations. while the Washington Y. M. C. A. for years has been doing an important work in education by providing courses in Katharine B. Milton, who have had wide tance which have commercial mechanical and preparatory

the extent that it is developing efficiency provided for the speed classes. in the statistical, cost and general accounting operations of many departments. Auditor Tweedale of the District, Dr. Powers of the census bureau and Assist-Department have been among those who have commended the accountancy in-struction of the Y. M. C. A. Institute to C. A. is adding to the efficiency of the government employe in his service as an in addition to the single and do What is true of the government clerks grammar, spelling and arithmetic.

LOCAL PAROCHIAL SCHOOL MAKES MARKED PROGRESS.

Institution Now Occupies Entire Second Floor of Carroll Institute. 1910-11 Term Opens Soon.

A most interesting feature in the later history of education is the development of the high school. For long years it step toward a college course. Now it seems to have an end of its own, independent of further study. It prepares the sentatives of the labor union world and student either to take his place in the the Young Men's Christian Association, business and money-making world, or to long steps are being taken in the country begin his studies for a profession, and to in solving some of the most difficult either of these careers he is introduced

was generally realized that the old ap- tion the Washington high schools have prenticeship system had practically dis- developed rapidly. None has made more appeared and that there was nothing to notable or more satisfactory progress

Former Quarters Outgrown.

Six years ago the boys and girls folinterest of the employer on one side and lowed the same courses in the building the wage-earner on the other. Each is erected by the late Dr. Stafford for the generally giving its approval, for the use of St. Patrick's Academy. The pupils ing the national spirit. Y. M. C. A. has never held that supple- increased in numbers until two years ago incorporated in 1869 under the general inmentary schooling can entirely take the it was necessary to secure more ample corporation law, and President Grant be place of shop or daily experience, or that classrooms. Now the boys have their came ex-officio chancellor of the unitheoretical training can completely fill own department under the instruction versity. It soon became evident that a the place of actual practice.

A co-operative scheme has recently entire second floor of Carroll Institute, of the very distant future. But the debeen arranged between the Y. M. C. A. 10th and K streets, where their physical and the Delaware, Lackawanna and development is looked after in the splen-10th and K streets, where their physical Western railroad, by which the railroad's didly equipped gymnasiums, while inapprentices will be trained in various Y. tellectual and moral instruction is im- National University has continued is parted in the neighboring classrooms. The names of some of the graduates are others are succeeding in the business and the United States. newspaper worlds.

There is perhaps no other school in the city where the student is given free choice of a course in the practical business branches, or in the classics and in modern languages. It is the only Catholic high school in the city, and, as a remetal manufacturers of the country secure extra training at the Y. M. C. A. parish and from the suburbs

Wins Cardinal's Prize.

inence the cardinal for the best essay Bishop Hurst was also for a short time in Maryland history written by the stu- chancellor of the university, at the time dents of Catholic colleges was won by Methodist University. Justice Arthur The Westinghouse air brake apprentices Mr. Lee Townsend, a 1910 graduate of McArthur, one of the original founders of

mornings a week on company time, and ly of St. Patrick's, he said: "The Catholic High School idea is taking fast hold the law school are to be found such men A co-operative school arrangement with among parent, and will grow about as as Justice Miller, John Goode of Virginia, a score or more of large manufacturing quickly as we shall be able to care for concerns at Detroit puts a group of apconcerns at Detroit puts a group of apprentices in the Y. M. C. A. school in the daytime during one week and into the daytime during th Applications for admission to the school

MILTON SCHOOL POPULAR Mr. Eugene Carus faculty since 1879, cellor in his place.

MANY STUDENTS PREPARE FOR BUSINESS LIFE.

A. is similarly giving apprentices the principals Have Had Much Experispecial training they need to fill in the ence and Success in Drilling Civil Service Applicants.

such a department of instruction. Mean- Each student in the Milton School re- of the several executive departments of

commercial, mechanical and preparatory experience and much success in preparsubjects, and enabling a vast number of ing pupils for various positions. Beginfederal employes, resident in Washington, ners' classes in the principles of shortto prepare themselves for greater useful- hand are in the hands of experienced in- fourth year which shall include a very ness in governmental work or other oc- structors, who give much attention to the thorough course upon the patent law and individual advancement of each pupil. Last year the effort in this direction Classes are started daily and students are was carried into the field of training pro- drilled from the start in taking dictation. fessional accountants, and the Washing- Dictation classes are conducted for pupils ton School of Accountancy, as conducted who have mastered the principles of value. It is now under process of orby the Young Men's Christian Associa- shorthand, and various styles of matter tion, is looked upon by prominent federal are dictated to meet the requirements of officers as an invaluable adjunct to the the sudents. Business letters and a wide ing year are ready to enter in that class.

The resignation of Dr. James Schouler, educational service of the community, to range of technical matter are specialties

Courses Are Thorough. Beginners' classes in typewriting are ant Secretary Hays of the Agricultural taught either the touch or sight system. kins University. He has announced Typewriting lessons include instruction library endowment for the law library of in letter writing, spelling, copying from the clerks in the service. To the extent rough draft, copying and spacing, tabuthat such educational work of the Y. M. lating, business correspondence, legal the ensuing year, and there will be sevaccountant, statistician or expert in costs entry bookkeeping in the bookkeeping In addition to the single and double will be announced later. it may be looked upon as an advanced course, the pupils are drilled in commer type of apprenticeship leading to skill in cial law and legal forms, business forms all that relates to accounting, auditing and customs, business correspondence is equally true of the bank employes, is designed to prepare students who con- B. Davis, U. S. A. (judge advocate The coaching in the civil service course

America has been busy for years de- From the Manufacturers' Record. pioneer work, of which this is a typical their accustomed regularity, but the coun-illustration. Its object is not to turn try moves along, increasing its populaout half-baked workers, but men bet-ter fitted for their work, more officient turning out more manufactured goods and country who leave school unprepared which the country can make, means vast waste four or five years before expansion all over the United States in secretary; John L. Cassin, LL. M. (of the they somis in a vocation, and then pos- road-building operations.

National University Follows Washington's Idea.

GOVERNED BY TRUSTEES

Students Enrolled From Every State and From Foreign Countries.

NEW CHARTER OBTAINED IN '96

Not Under Sectarian, Sectional or Political Control-Its Law Department Work.

during the presidency of Gen. Grant with the idea of influencing Congress to found a great university of the United States here in Washington, and by starting several schools into operation its organizers hoped that the nucleus of such an institution being already at hand would have its influence in this direction. Gen. Washington and a number of succeeding Presidents had urged the establishmen by the federal government of a national university large with the idea that if students from all sections of the country gathered here the interchange of ideas would have a beneficial effect in broaden-

The National University was, therefore, mand from the great army of civil service employes of an opportunity for profes sional education was so great that the existence, and its law school is now one of the largest, as well as one of the on the roll of the Catholic University, oldest and most firmly established in

Distinguished Men as Trustees.

The board of trustees of the university has had some of the most distinguished men in the country upon it, among them being Senators Frye of Maine, Blair of New Hampshire, Morgan of Alabama, Hill of Colorado, and Presidents Hayes, Garfield, Arthur and Cleveland serving as ex-officio presidents of the university, or in university parlance as chancellors

have held a place among the faculty of great juridical writer; Chief Justice Alvey of the Maryland court of appeals and afterward chief justice of the Court of Appeals of this District upon its organization in 1893, and many others. Chief Justice Alvey was chancellor from 1893 until his death several years ago, when Mr. Eugene Carusi, dean of the law faculty since 1879, was elected as chancellor in his place.

New Charter Secured.

When it became more and more apparent that Washington was not destined to have a national university in the sense of one supported and controlled by the federal government, a new charter for the National University was obtained from Congress in 1896. There is one sense, however, in which this university may claim to be national. Since its organize tion nearly two thousand young men from every state and territory and from the insular possessions of the United States have been graduated, and have returned The Milton School of Stenography and to their native states carrying with them Typewriting, 1403 H street northwest, en- in Washington. In the law school, moredeavors to give its students thorough and over, somewhat more attention is given In Washington there is not the same deavois to give instruction along lines demand for trade-training apprenticeship arrangements as yet which would justify which will prepare them for entrance here, and which are largely administered into the active business world. In the here, than is given to them by the instifledged trade school. There is hope that courses offered are included shorthand, tutions located in the states. These infriends of this important auxiliary to infriends of this important auxiliary to in-dustrial growth may see the way clear attention is given to preparing men and United States courts, including the Court

of Claims; the organic laws and practice Among the recent changes of importance which have taken place in the school is the postponement of the degree of bachelor of laws until the end of the third year, and the establishment of a practice. The fourth year will be devoted very largely to advance procedure, and an extension of advance moot court work in that year is expected to give it its chief ganization, and will be ready by the time The resignation of Dr. James Schouler who was for eighteen years instructor in the law school, has been accepted with regret. Dr. Schouler has retired simultaneously from teaching work in the National University and in the Johns Hop the National University Law School. Mr. Associate Justice Job Barnard will have the chair of equity jurisprudence during eral other additions to the faculty which

List of Faculty Members.

The present faculty consists of Eugene

Carusi, LL. D., chancellor, lecturer upon Blackstone; Brig. Gen. George is equally true of the bank employes, trust company workers and real estate experts. The Y. M. C. A. vocational courses are aiming to add to the daily experience of the worker that element of theory and practice which will make him more valuable to his company and thereby also to himself.

Desires to Serve Men.

is designed to prepare students who contemplate entering the classified service of the classified service of the government, and special attention is given to the first, second and third grade basis examinations. Test examinations are given nightly for a month previous to all civil service examinations.

No Room for Pessimists. veloping her natural resources, but has largely forgotten her men, in spite of the fact that labor is the larger part of manufacturing expense. Employers have been perfecting machines, while "the men behind the machines" have "the men behind the machines" have traveling or working. They cannot become negliography; Charles F. Carusi, LL. M. (of been forgotten. The country, therefore, ative. They are of necessity positive in the New York and Washington bars, and has difficulty in competing in world their effects upon the demand for food, dean of the law faculty), professor of the markets, with highly finished goods. for clothes, for manufactured products. law of advanced real property and con-The Y. M. C. A. sees this situation, and, Even if at the moment they are buying tracts; Charles A. Keigwin, LL. M. (of with its desire to serve men, is rapidly developing 'the industrial and supplementary apprenticeship training. The Y. M. C. A. has the reputation for pioneer work of which this is a typical their accustomed regularity, but the count is stant commissioner general land office), sistant commissioner general land office), lecturer upon land and mining laws of the United States and practice before the United States land office; Assistant Jusfor their added training, and hence better and happier workers. This is why all of these efforts are meeting with the general approval of the public.

The public of their work, more omcient turning out more manufactured goods and doing more work. Railroads are wearing out with every wheel that turns, and must continue steady replacement. New railroads must be built to open up new bar), associate justice of the moot court of appeals; L. Cabell williamson, LL. M. (of the Washington Choose a day this su with the general approval of the public. It is a great opportunity to serve the nation which the Y. M. C. A. faces. Other nations are gradually perfecting their systems of industrial training; in North America we have but the beginnings in bringing school and shop or vocation together. The Y. M. C. A. sees itself in a position to help in the great transition period, and particularly so because it has an eye single for the real good of men, not only for expert workmanship, but for honest skill and upright and efficient Christian citizenship. These things are paid for today. More firms than one which have been co-operating in this work have seen the results in more ways than mere increased efficiency, better workmanship and multiplied output. They manship and multiplied output. They tems, the extension of new streets and nership: Charles H. Turner, LL. M. (ashave discovered deepened purposes in the better paving of existing streets. The sistant United States attorney for the Discovered deepened purposes in the better paving of existing streets.

of moot court; Eugene D. Carusi, LL. M.,

Washington bar), treasurer.

NATIONAL UNIVERSITY LAW SCHOOL

Forty-second Year Begins October 1, 1910.

All Lectures and Class Exercises between 6:30 P.M. and 8:30 P.M.

The Courses Offered Are as Follows:

Regular Three-Year Course, Leading to Degree of LL. B.

Post-Graduate Course of One Year, Leading to Degree of LL. M.

A Non-Practitioners' Course of Two Years.

For catalogue write or apply to Dean.

National University Law School,

Metropolitan National Bank Building,

Or After October 1 at the Law School Building. 816-818 13th Street N.W.

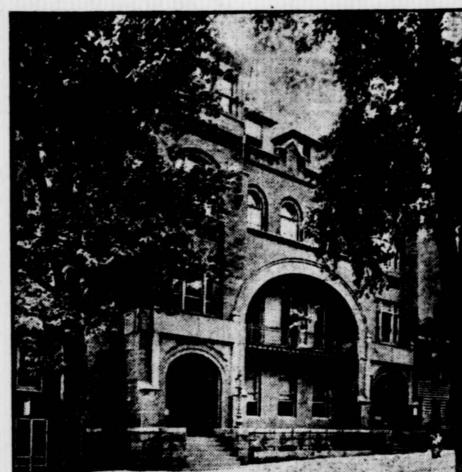
Phones M.1106-1107.

ST. PATRICK'S HIGH SCHOOL FOR BOYS.

Located at 10th and K Streets Northwest.

Includes 2 Years' Grammar School Course.

Complete Courses in Academic and Business Branches Leading to Diplomas.



Academic Department:

Latin, Greek, German or French,

Logic,

Physics, Chemistry, Astronomy, Geology.

Business Department:

Bookkeeping, Stenography, Typewriting,

Commercial Geography, Commercial Arithmetic. Business Methods, Commercial Law, German or French.

Common Studies:

Religion, English, Rhetoric,

Literature, Wathematics. History (Church, Secular).

PREPARATORY TO COLLEGE.

Catholic Laymen, Instructors.

Rev. Thos. E. McGuigan, Director. Make Application at St. Patrick's Rectory or St. Patrick's Academy,

Fall Session Begins September 12, 9 a.m.

COUNTING SAND.

How Sands of Seashore May Be Roughly Determined.

Did you ever try to count the sands of

Choose a smooth, dry spot some sunny miration for the wonders of nature grows day this summer, and, with ample paper tremendously, yet we have made but the and pencil and a botanist's magnifying glass, get down to work. Stretch yourself out at length and level off smoothly a space about an inch square. Lay two 000. Four billion in less than a peck. Let pins, black sand grains, or other small us now imagine a stretch of sandy beach pins, black sand grains, or other small a mile long and a foot wide and deep. ceeding that of many small birds. The objects, exactly an eighth of an inch in this rod of sand not much larger than story of the first discovery of this giganapart, then apply your glass with great a sewer pipe we find there are no less than 22,773,104,640,000 grains. But our tic butterfly is a curious one. A naturalof grains that lie in a straight line between the two objects. This is the most we find in this chance stretch a todifficult as well as the most important

grains in a line a whole inch long; and be numbered. They never will be counted squaring this (that is, 160 multiplied by by man, but the probable number in cer-160), we have 15,600 in a single layer one inch square. In order to get an inch cube the method outlined above. the seashore? Really it is not such a we must again multiply 160, and this formidable task if you go about it in the gives 2,496,000. Just think! A very small tains nearly 2,500,000 grains. One's adbeginning. A cubic foot contains 1,728 inches, so

this is the next multiplier, and the product gives the astounding figures 4,313,088,-

in the present instance that twenty grains were found in the eighth of an inch. Of course sand varies greatly, but this number represents good fine sand. Multiply-ing by eight gives 160, the number of the sands of the seashore would never

Shooting a Butterfly. From the Wide World.

The largest butterfly known is found only in British New Guinea and specimens are worth anything from \$100 upward. The male measures eight inches across the wings and the female not less than eleven inches, a wing-spread exceeding that of many small birds. . The beach has width, let us say, a quarter mile, and depth, say fifty feet, and we find in this chance stretch a tothe find in this chance stretch a difficult as well as the most important part of the proceeding, and too made pains cannot be taken. A difference of one grain will make a difference of lions in the later calculations. It would be more accurate to count the grains in a quarter or half inch, but there is danar the figures, and were we to add a dozen or two ciphers they would mean no more to us than this tremendous sum.

Any one with a calculating bent may cannibals and another was rescued only in the nick of time. Spite of this induced in the part of the party fell victims to the party fell v duplicating some.

Having obtained the count of grains in a line one-eighth of an inch long, the rest of the work is multiplication. Let us say number of grains in the Desert of Saperfect specimens.